CHEMISTRY SECONDARY SCHOOL

SCHEME OF WORK

TEACHER'S NAME: _____ SUBJECT: CHEMISTRY CLASS: S.1 TERM: I YEAR: 2025

Week	Period	Theme And Topic	Competency	Learning Outcomes	Teaching/ Learning Resources	Methodology And Techniques	References	Remarks
01	06	**Theme**: Introduction to chemistry and experimental techniques. **Topic;** Chemistry and society **Theme**:	The Learner should be able to assess the application of chemistry in our everyday life and its contribution to our economy.	Learners should be able to; -Explain the discrete nature of chemistry -Explain why chemistry is studied and how it overlaps with other subjects like biology, physics, mathematic and geography. -Explain the importance of chemistry in everyday life and the careers linked to the study of chemistry. -Outline the contribution of chemistry to the economy of Uganda. By the end of this chapter, the learner should be able to; -Know laboratory rules and regulations and understand	-Videos -Charts -Photos -ICT resources -Lab apparatus -Chalk board -markers -stick notes -learner's guide -teacher's guide -Videos -Charts -Photos	-Guided group discussion -Guided Research -Guided Discovery and Explanation -Brainstorming -creating a mind map -Guided group	-internet -Learner's guide - Teacher's guide -Understanding O'level chemistry by Livingstone Kaweesi -New certificate chemistry,4th edition by Atkinson A -New Complete Junior Chemistry by Atkinson A and Saleh Z -Chemistry 7th edition; McGraw-Hill -O'level chemistry for East Africa by Sinclair M	

	12 09	Introduction to chemistry and experimental techniques. **Topic; Experimental chemistry** **Theme; Particle nature of matter**	The learner should explain that chemistry is a process of evidence based inquiry involving the collection of evidence about the natural world, the identification of the trends and patterns in the evidence and the development of theories that help us explain the evidence. The learner should be able to use the knowledge of the arrangement and motion particles to explain the properties of	the importance of risk assessment in order to work safely and know the action required in the event of an accident -Identify the laboratory apparatus and know how to use laboratory equipment appropriate -Understand the scientific methods to carry out investigations and importance of risk assessment to keep oneself and others safe -Know how to identify substances and their purity by using their melting and boiling points. By the end of this chapter, the learner should be able to; -Understand that matter is anything that can occupy space and has mass and can exist in solid, liquid and gas	-ICT resources -Lab apparatus -Chalk board -markers -stick notes -learner's guide -teacher's guide -Videos -Charts -Photos -ICT resources -Lab apparatus -Chalk board	discussion -Guided Research -Guided Discovery and Explanation -Brainstorming -creating a mind map -Guided group discussion -Guided Research -Guided Discovery and Explanation	-New certificate chemistry,4th edition by Atkinson A -New Complete Junior Chemistry by Atkinson A and Saleh Z -Chemistry 7th edition; McGraw-Hill -Learner's guide -Teacher's guide -Understanding O'level chemistry by Livingstone Kaweesi internet -Learner's guide -Teacher's guide -Understanding O'level chemistry by Livingstone Kaweesi -New certificate	

		Topic; States and changes of states of matter.	solids, liquids and gases.	form. -Understand that solids, liquids and gases have different properties including shape, pouring and compressing. -Know the kinetic theory of matter and use it to explain particle arrangement, interparticle forces, movement of particles and the properties of liquids, solids and gases. -Understand that a change from one state to another involves either heat gain or heat loss. -Appreciate the cooling effect of evaporation and how this contributes to maintaining constant body temperature.	-markers -stick notes -learner's guide -teacher's guide -Videos -Charts -Photos -ICT resources -Lab apparatus -Chalk board -markers -stick notes -learner's guide -teacher's guide	-Brainstorming -creating a mind map -Guided group discussion -Guided Research -Guided Discovery and Explanation -Brainstorming -creating a mind map	chemistry,4th edition by Atkinson A -New Complete Junior Chemistry by Atkinson A and Saleh Z -Chemistry 7th edition; McGraw-Hill internet -Learner's guide - Teacher's guide -Understanding O'level chemistry by Livingstone Kaweesi -New certificate chemistry,4th edition by Atkinson A -New Complete Junior Chemistry	

							by Atkinson A and Saleh Z -Chemistry 7th edition; McGraw-Hill	

02	02	**Theme**: Particle nature of matter Topic: USING MATERIALS	The Learner explores how materials are used and relates these uses to their molecular structures	Learners should be able to; • know about the molecular structures of materials and relate this to their use (k, u) • know that polymers are useful long chain molecules made by both natural and synthetic processes (k, u)	• Videos • Charts • Photos • IT resources • Lab apparatus • Chalk board	Guided group discussion • Guided Research • Guided Discovery and Explanation • Brainstorming		

03	02	Theme: Particle nature of matter Topic: USING MATERIALS	The Learner explores how materials are used and relates these uses to their molecular structures	The learner should understand; • understand how the physical properties of polymers determine uses in everyday life such as in building, as fabrics, fabricating utensils used in homes, etc. (k, u) • know how common materials can pollute environment and which materials can be recycled(k)	• Videos • Charts • Photos • IT resources • Lab apparatus • Chalk board	• Guided group discussion • Guided Research • Guided Discovery and Explanation • Brainstorming	• Teacher's and learner's notes • Chemistry workbooks • Learner's Books and Teacher's guide • O'level chemistry	

04	02	Theme: Particle nature of matter Topic: USING MATERIALS	The Learner explores how materials are used and relates these uses to their molecular structures	The learner should be able to; • understand that heating changes the structure and properties of some materials (u, s) • Activity of integration	• Videos • Charts • Photos • IT resources • Lab apparatus • Chalk board	• Guided group discussion • Guided Research • Guided Discovery and Explanation • Brainstorming	• Teacher's and learner's notes • Chemistry workbooks • Learner's Books and Teacher's guide • O'level chemistry	

H.O.D's COMMENT